

I claim:

1. A self-contained switch comprising:

- 5 a housing;
 an actuation means adapted to initiate a physical movement of;
 a power generating means capable of generating a voltage from physically
moving said actuation means, and translating said physical movement into an
electrical moment, said power generating means in operative communication
10 with;
 a transmitter to transmit a signal such that said signal is addressed, so
that said signal is unique and wherein said means for transmitting a signal being
in operative communication with;
 a means for receiving said signal and a series of programmed instructions
15 from said signal from said transmitting means to be received by said receiving
means and effective to direct an operation; and
 a protocol for employing said series of instructions received by said
receiving means effective to complete an operation.

20 2. A self-contained switch comprising:

- a housing;
 an actuation means adapted to initiate a physical movement of;
 a power generating means capable of generating a voltage from physically
25 moving said actuation means, and translating said physical movement into an
electrical moment, said power generating means in operative communication
with;
 a rectifier;
 a filter in communication with a voltage regulator;
30 a microchip transmitter containing encoded data and enabled to transmit
encoded data through an antennae to a remote antenna, by virtue of a crystal

that provides a specific frequency for the transmission of said data, said remote antenna in communication with a microchip receiver, said microchip receiver containing a decoder mask to decode the encoded data received by said receiver to activate a latch and to communicate with a relay driver, said relay driver being
5 in communication with a relay which in turn is in operative communication with an end appliance and a power source.

3. A power generating means as described in Claim 1 further comprising:

10 a housing;
a piezoelectric actuator;
at least a pair of wires in communication with said piezoelectric actuator;
at least a pair of rigid support rods to hold the piezoelectric actuator within said housing; and
a plunger to deform the piezoelectric actuator and create a voltage.

15

4. A power generating means as described in Claim 1 further comprising a plurality of piezoelectric actuators.

5. A power generating means as described in Claim 1 further comprising:

20 a housing;
a magnet placed above a coil so that said magnet is drawn across said coil;
at least a pair of wires in communication with said coil;
a threaded metallic high magnet permeability core to hold said coil and
25 magnet within said housing; and
a lever to encourage an outstanding nub to engage an actuation nub so that said magnet which is attached to at least two springs moves back and forth over said coil to produce a voltage.

30 6. A magnet as described in Claim 5 further comprising a neodymium magnet.

7. A self-contained remote switch as described in Claim 1 further comprising:
an electrical conduit to send a voltage from a power generating means to;
a transient capacitor and to a bridge rectifier to convert AC to pulsating DC
current and to send said voltage to;

5 a supercapacitor for storing said voltage prior to utilizing said voltage by;
and

a transmitter, said transmitter to send addressed data to a receiver, said
receiver utilizing said data to perform an operation.

10 8. A supercapacitor as described in Claim 7 further comprising a carbon aerogel
supercapacitor.

9. A voltage as described in Claim 7 further comprising a voltage from about 1
milliamp to about 100 milliamps and from about 1.6 volts to about 4 volts.

15

10. A voltage as described in Claim 7 further comprising a voltage of about 3.3
volts.

11. A transmitter and a receiver as described in Claim 7 further comprising
20 encoded and decoded data.

12. A transmitter and a receiver as described in Claim 7 further comprising a
transceiver chip.

25 13. An actuation means as described in Claim 1 further comprising a switch
lever or a push button.

14. A remote self-contained switch as described in Claim 1 that is in a power off
state.

30